Chapter 11 - Database Reports

SWQMIS is capable of generating several types of reports, details of which are provided in this chapter. For more detailed descriptions of these reports or for information on how to generate these reports, refer to the SWQMIS User's Guide 2010 (2.2).

Most reports are available in three formats: HTML (formatted report viewed in Internet Explorer), CSV (Comma Separated Values - opens in Excel), and PIPE delimited (ASCII flat text for importing into other applications). All report outputs can be saved to your own computer. Most reports will print from HTML on letter-size paper although you may have to use landscape setting. Reports are generated using Query Builder which allows you to build your query criteria using 'And/Or' logic.

To access SWQMIS:

[http://www8.tceq.state.tx.us/SwqmisWeb/](For users inside and outside the TCEQ firewall to access the Production environment of SWQMIS)

[http://www8tst.tceq.state.tx.us/SwqmisWeb/](For users inside and outside the TCEQ firewall to access the Test/UAT environment of SWQMIS)

SWQMIS User's Guide:

http://www8.tceq.state.tx.us/SwqmisWeb/help/output/index.htm?page=html/15NavigatingintheSystem.html (For users inside and outside the TCEQ firewall)

Types of Reports

Comparison Information Report

The Comparison Information Report is used to view information such as assessment screening levels, flow statistics, narrative criteria, numeric criteria, outlier screening values, reference values, or water effect ratios. The report is also useful for checking for site-specific standards or as a general reference tool.

Full Raw Data Export

This report is for extracting ALL data in SWQMIS in PIPE delimited text format. This report is used primarily for posting the data to the internet on the CRP web site. Once posted to the web, this information is used by CRP and other contractors to update their databases. Users should be aware that this report utilizes a lot of memory and may cause some systems to crash.

Monitoring Station Inventory Report

The Monitoring Station Inventory Report displays any or all attributes of any or all monitoring stations. This is useful for simple viewing or creating reference documents. This report limits output to 1,000 stations unless you bypass the Oracle 1,000-station constraint by not clicking the Search button while running the report. Refer to the SWQMIS User's Guide for more information.

Parameter Inventory Report

The Parameter Inventory Report allows you to query any number of water quality parameters and their attributes. This is good for creating reference documents or just viewing parameter attributes like units of measurement, media, or methods used to analyze the parameter.

Raw Data Report

The Raw Data Report generates only a PIPE delimited text file of data from any number of stations in either the traditional two-file Event/Result format or a one-file combined format (Event metadata included on every line with the Result data). This report is primarily for data requests for contractors or cooperators familiar with TCEQ data formats.

RFA Status Report

This report was designed to aid data managers in validating data collected by TCEQ Regional Staff. Generally only data managers use this report.

Sampling History Report

The Sampling History Report generates counts of parameters collected at any number of stations during a specified time period. The report bases the counts on certain parameters that are representative of the type of sampling being counted. For instance, the presence of a result for Aluminum in Water might indicate a 'Metals in Water' sampling event. This report is good for tracking monitoring activities through time. It might also be useful for checking the completeness of a monitoring effort.

Selective Data Report

The Selective Data Report allows retrieval of monitoring data at any number of stations for any number of parameters. The report allows for retrieving data in a 'horizontal' format for easier use in spreadsheets. The report also has a summary function that will provide counts of exceedances (where screening criteria exist) and basic statistics. This report limits output to 100 stations, 1,000 parameters, and 50,000 rows of results.

Single Parameter Report

The Single Parameter Report provides a statistical analysis of measurement results for a single parameter (there are also a few hierarchical parameter sets) at up to 20 stations. The report will display the measurement values, count exceedances of criteria for parameters with numeric criteria (Standards), and provide statistical summaries of the data. There are also several options for marking data by season and month. The data can be easily imported into Excel for graphing.

Upload Tracking Info Report

This report is used to track the various datasets that are loaded by data managers into SWQMIS. Generally only data managers use this report.

Biological Raw Data Report

The Biological Raw Data report allows you to create a text file of event data, results data, or a combination of the two for monitoring stations according to the criteria you specify. The biological raw data report will output only the data from the biological sample sets. If the sample event has at least one biological sample then the event is treated as a biological event and all the data from this sample event will be generated in the report output. The physical and chemical data associated with the biological event will also be reported in the biological raw data report.

Sampling Advanced Search

This report is available for data managers to use in validating data collected by TCEQ Regional Staff. The report is also available for TCEQ Regional Staff to search for data already manually entered into SWQMIS and available at Pre-Production status levels Pre-RG and Pre-DM. The report has three checkboxes that allow the user to select for Only Unvalidated Sample Sets, Only Outliers, or Only Acquired Data Sample Sets.

Data Requests

In the event that none of these database reports are appropriate, you can contact the data manager of your program area via email. Please include as much detail about your target dataset as possible in the e-mail. If you would like to submit an online data request form please go to http://www.tceq.texas.gov/waterquality/data-management/wdma_forms.html and select the appropriate data request form. Complete and submit the form using the appropriate instructions.